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December 5, 2011

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Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1201 Constitution Ave., NW
Washington, DC 20004



Dear 8(e) Coordinator:

Methyl-3-amino sulphonyl-2-thiophene-carboxylate
CAS #: 59337-93-8

This letter is to inform you of the results of a skin sensitizer study with the above referenced test substance.

The skin sensitization potential of the test substance was tested in the Split Adjuvant method. Adult female Dunkin-Hartley guinea pigs (20 in experimental group and 10 in control group) were induced by epicutaneous applications of 50% test substance (suspended in 1% methylcellulose solution) on days 0, 2, 4, and 7. On day 4, both control and experimental animals received intradermal injections of Freund's complete adjuvant. On day 21, the guinea pigs were challenged with several concentrations (50%, 25%, and 10%) of test substance and were evaluated for skin reactions 24 and 48 hours later. Positive skin reactions (grade 2 or more) were noted in 12 animals at 50%, 10 animals at 25%, and 9 animals at 10%. Apart from confluent redness, two animals also showed swelling of the exposed skin sites on day 23. Forty-eight hours after removal of the bandage, scaliness was observed in three animals to the 50% concentration, in two animals to the 25% concentration and in three animals to the 10% concentration. None of the control animals showed a positive skin response to any of the concentrations of the test substance applied in the challenge.

This information is submitted in accordance with current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act or, where it is not clear that reporting criteria have been met, it is submitted as a precautionary measure and because it is information in which EPA may have an interest.

Sincerely,

S. Satheesh Anand, Ph.D., DABT
Senior Research Toxicologist



SSA/FOO: clp
(302) 366-5314

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